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<210> 52
<211> 1512
<212> DNA
<213> Homo sapiens

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<400> 52
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gacatggaat gtcataaaaa gtatggaaaa gtgtggggct tttatgatgg tcaacagcct 240
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<210> 53
 <211> 503
 <212> PRT
 <213> Homo sapiens

<400> 53

Met Ala Leu Ile Pro Asp Leu Ala Met Glu Thr Trp Leu Leu Leu Ala
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Val Ser Leu Val Leu Leu Tyr Leu Tyr Gly Thr His Ser His Gly Leu
20 25 30

Phe Lys Lys Leu Gly Ile Pro Gly Pro Thr Pro Leu Pro Phe Leu Gly
35 40 45

Asn Ile Leu Ser Tyr His Lys Gly Phe Cys Met Phe Asp Met Glu Cys
50 55 60

His Lys Lys Tyr Gly Lys Val Trp Gly Phe Tyr Asp Gly Gln Gln Pro
65 70 75 80

Val Leu Ala Ile Thr Asp Pro Asp Met Ile Lys Thr Val Leu Val Lys
85 90 95

Glu Cys Tyr Ser Val Phe Thr Asn Arg Arg Pro Phe Gly Pro Val Gly
100 105 110

Phe Met Lys Ser Ala Ile Ser Ile Ala Glu Asp Glu Glu Trp Lys Arg

Leu Arg Ser Leu Leu Ser Pro Thr Phe Thr Ser Gly Lys Leu Lys Glu
 130 135 140
 Met Val Pro Ile Ile Ala Gln Tyr Gly Asp Val Leu Val Arg Asn Leu
 145 150 155 160
 Arg Arg Glu Ala Glu Thr Gly Lys Pro Val Thr Leu Lys Asp Val Phe
 165 170 175
 Gly Ala Tyr Ser Met Asp Val Ile Thr Ser Thr Ser Phe Gly Val Asn
 180 185 190
 Ile Asp Ser Leu Asn Asn Pro Gln Asp Pro Phe Val Glu Asn Thr Lys
 195 200 205
 Lys Leu Leu Arg Phe Asp Phe Leu Asp Pro Phe Phe Leu Ser Ile Thr
 210 215 220
 Val Phe Pro Phe Leu Ile Pro Ile Leu Glu Val Leu Asn Ile Cys Val
 225 230 235 240
 Phe Pro Arg Glu Val Thr Asn Phe Leu Arg Lys Ser Val Lys Arg Met
 245 250 255
 Lys Glu Ser Arg Leu Glu Asp Thr Gln Lys His Arg Val Asp Phe Leu
 260 265 270
 Gln Leu Met Ile Asp Ser Gln Asn Ser Lys Glu Thr Glu Ser His Lys
 275 280 285
 Ala Leu Ser Asp Leu Glu Leu Val Ala Gln Ser Ile Ile Phe Ile Phe
 290 295 300
 Ala Gly Tyr Glu Thr Thr Ser Ser Val Leu Ser Phe Ile Met Tyr Glu
 305 310 315 320
 Leu Ala Thr His Pro Asp Val Gln Gln Lys Leu Gln Glu Glu Ile Asp
 325 330 335
 Ala Val Leu Pro Asn Lys Ala Pro Pro Thr Tyr Asp Thr Val Leu Gln
 340 345 350
 Met Glu Tyr Leu Asp Met Val Val Asn Glu Thr Leu Arg Leu Phe Pro
 355 360 365
 Ile Ala Met Arg Leu Glu Arg Val Cys Lys Lys Asp Val Glu Ile Asn
 370 375 380
 Gly Met Phe Ile Pro Lys Gly Val Val Val Met Ile Pro Ser Tyr Ala
 385 390 395 400

Leu His Arg Asp Pro Lys Tyr Trp Thr Glu Pro Glu Lys Phe Leu Pro
405 410 415

Glu Arg Phe Ser Lys Lys Asn Lys Asp Asn Ile Asp Pro Tyr Ile Tyr
420 425 430

Thr Pro Phe Gly Ser Gly Pro Arg Asn Cys Ile Gly Met Arg Phe Ala
435 440 445

Leu Met Asn Met Lys Leu Ala Leu Ile Arg Val Leu Gln Asn Phe Ser
450 455 460

Phe Lys Pro Cys Lys Glu Thr Gln Ile Pro Leu Lys Leu Ser Leu Gly
465 470 475 480

Gly Leu Leu Gln Pro Glu Lys Pro Val Val Leu Lys Val Glu Ser Arg
485 490 495

Asp Gly Thr Val Ser Gly Ala
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<210> 54
<211> 1835
<212> DNA
<213> Homo sapiens

<400> 54
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cctatcattg attacttccc gggaactcac aacaaattac ttaaaaacgt tgcttttatg 720
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acgacaagca caaccctgag atatgctctc cttctcctgc tgaagcacc agaggtcaca 960
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gacaggagcc acatgcccta cacagatgct gtggtgcacg aggtccagag atacattgac 1080
cttctcccca ccagcctgcc ccatgcagtg acctgtgaca ttaaattcag aaactatctc 1140

Sense 27353-510-061-SequenceListing.txt

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tgcgatgctt aaataaaaag cattattatt tgctg 1835

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<210> 55
<211> 490
<212> PRT
<213> Homo sapiens

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<400> 55
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Met Asp Ser Leu Val Val Leu Val Leu Cys Leu Ser Cys Leu Leu Leu
1 5 10 15

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Leu Ser Leu Trp Arg Gln Ser Ser Gly Arg Gly Lys Leu Pro Pro Gly
20 25 30

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Pro Thr Pro Leu Pro Val Ile Gly Asn Ile Leu Gln Ile Gly Ile Lys
35 40 45

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Asp Ile Ser Lys Ser Leu Thr Asn Leu Ser Lys Val Tyr Gly Pro Val
50 55 60

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Phe Thr Leu Tyr Phe Gly Leu Lys Pro Ile Val Val Leu His Gly Tyr
65 70 75 80

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Glu Ala Val Lys Glu Ala Leu Ile Asp Leu Gly Glu Glu Phe Ser Gly
85 90 95

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Arg Gly Ile Phe Pro Leu Ala Glu Arg Ala Asn Arg Gly Phe Gly Ile
100 105 110

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Val Phe Ser Asn Gly Lys Lys Trp Lys Glu Ile Arg Arg Phe Ser Leu
115 120 125

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Met Thr Leu Arg Asn Phe Gly Met Gly Lys Arg Ser Ile Glu Asp Arg
130 135 140

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Val Gln Glu Glu Ala Arg Cys Leu Val Glu Glu Leu Arg Lys Thr Lys
145 150 155 160

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Ala Ser Pro Cys Asp 165 Pro Thr Phe Ile Leu 170 Gly Cys Ala Pro Cys 175 Asn
 Val Ile Cys Ser 180 Ile Ile Phe His Lys 185 Arg Phe Asp Tyr Lys 190 Asp Gln
 Gln Phe Leu 195 Asn Leu Met Glu Lys 200 Leu Asn Glu Asn Ile 205 Lys Ile Leu
 Ser Ser 210 Pro Trp Ile Gln Ile 215 Cys Asn Asn Phe Ser 220 Pro Ile Ile Asp
 Tyr Phe Pro Gly Thr His 230 Asn Lys Leu Leu Lys 235 Asn Val Ala Phe Met 240
 Lys Ser Tyr Ile Leu 245 Glu Lys Val Lys Glu 250 His Gln Glu Ser Met 255 Asp
 Met Asn Asn Pro 260 Gln Asp Phe Ile Asp 265 Cys Phe Leu Met Lys 270 Met Glu
 Lys Glu Lys 275 His Asn Gln Pro Ser 280 Glu Phe Thr Ile Glu 285 Ser Leu Glu
 Asn Thr Ala Val Asp Leu Phe 295 Gly Ala Gly Thr Glu 300 Thr Thr Ser Thr
 Thr Leu Arg Tyr Ala Leu 310 Leu Leu Leu Leu Lys 315 His Pro Glu Val Thr 320
 Ala Lys Val Gln Glu 325 Glu Ile Glu Arg Val 330 Ile Gly Arg Asn Arg 335 Ser
 Pro Cys Met Gln 340 Asp Arg Ser His Met 345 Pro Tyr Thr Asp Ala 350 Val Val
 His Glu Val 355 Gln Arg Tyr Ile Asp 360 Leu Leu Pro Thr Ser 365 Leu Pro His
 Ala Val Thr Cys Asp Ile Lys 375 Phe Arg Asn Tyr Leu 380 Ile Pro Lys Gly
 Thr Thr Ile Leu Ile Ser 390 Leu Thr Ser Val Leu 395 His Asp Asn Lys Glu 400
 Phe Pro Asn Pro Glu 405 Met Phe Asp Pro His 410 His Phe Leu Asp Glu 415 Gly
 Gly Asn Phe Lys 420 Lys Ser Lys Tyr Phe 425 Met Pro Phe Ser Ala 430 Gly Lys
 Arg Ile Cys Val Gly Glu Ala Leu Ala Gly Met Glu Leu Phe Leu Phe

435

Leu Thr Ser Ile Leu Gln Asn Phe Asn Leu Lys Ser Leu Val Asp Pro
450 455 460

Lys Asn Leu Asp Thr Thr Pro Val Val Asn Gly Phe Ala Ser Val Pro
465 470 475 480

Pro Phe Tyr Gln Leu Cys Phe Ile Pro Val
485 490

<210> 56
<211> 44
<212> PRT
<213> Homo sapiens

<400> 56

Arg Arg Ala Asp Gly Leu Ala Ala Ala Val Gln Ser Leu Gln Leu Ser
1 5 10 15

Phe Leu Trp Gly Ile Ile His Leu Cys Thr Ile Cys Asn Ala Phe Ser
20 25 30

His Leu Ser Ser His Ile Phe Pro Ser Leu Lys Ile
35 40

<210> 57
<211> 24
<212> PRT
<213> Homo sapiens

<400> 57

Thr Phe Asp Leu His Tyr Gly Glu Phe Pro Met Phe His Cys Ala Asn
1 5 10 15

Ile Ser Ala Ile Leu His Thr Leu
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<210> 58
<211> 10
<212> PRT
<213> Homo sapiens

<400> 58

Leu Ser His Asn Ala His Thr Tyr Leu Met
1 5 10

<210> 59
<211> 11
<212> PRT
<213> Homo sapiens

<400> 59

Ser Ile Asn Met Leu Leu Leu Asn Arg Glu Ile
1 5 10

<210> 60
 <211> 14
 <212> PRT
 <213> Homo sapiens

<400> 60

Phe Val Tyr Tyr Asn Ser Lys Ala Phe Leu Phe Cys Met Ile
 1 5 10

<210> 61
 <211> 7
 <212> PRT
 <213> Homo sapiens

<400> 61

Ile Lys Ser Ile Ile Ile Cys
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<210> 62
 <211> 1494
 <212> DNA
 <213> Homo sapiens

<400> 62
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<210> 63
 <211> 497
 <212> PRT
 <213> Homo sapiens

<400> 63

Met Gly Leu Glu Ala Leu Val Pro Leu Ala Val Ile Val Ala Ile Phe
 1 5 10 15

Leu Leu Leu Val Asp Leu Met His Arg Arg Gln Arg Trp Ala Ala Arg
 20 25 30

Tyr Pro Pro Gly Pro Leu Pro Leu Pro Gly Leu Gly Asn Leu Leu His
 35 40 45

Val Asp Phe Gln Asn Thr Pro Tyr Cys Phe Asp Gln Leu Arg Arg Arg
 50 55 60

Phe Gly Asp Val Phe Ser Leu Gln Leu Ala Trp Thr Pro Val Val Val
 65 70 75 80

Leu Asn Gly Leu Ala Ala Val Arg Glu Ala Leu Val Thr His Gly Glu
 85 90 95

Asp Thr Ala Asp Arg Pro Pro Val Pro Ile Thr Gln Ile Leu Gly Phe
 100 105 110

Gly Pro Arg Ser Gln Gly Val Phe Leu Ala Arg Tyr Gly Pro Ala Trp
 115 120 125

Arg Glu Gln Arg Arg Phe Ser Val Ser Thr Leu Arg Asn Leu Gly Leu
 130 135 140

Gly Lys Lys Ser Leu Glu Gln Trp Val Thr Glu Glu Ala Ala Cys Leu
 145 150 155 160

Cys Ala Ala Phe Ala Asn His Ser Gly Arg Pro Phe Arg Pro Asn Gly
 165 170 175

Leu Leu Asp Lys Ala Val Ser Asn Val Ile Ala Ser Leu Thr Cys Gly
 180 185 190

Arg Arg Phe Glu Tyr Asp Asp Pro Arg Phe Leu Arg Leu Leu Asp Leu
 195 200 205

Ala Gln Glu Gly Leu Lys Glu Glu Ser Gly Phe Leu Arg Glu Val Leu
 210 215 220

Asn Ala Val Pro Val Leu Leu His Ile Pro Ala Leu Ala Gly Lys Val
 225 230 235 240
 Leu Arg Phe Gln Lys Ala Phe Leu Thr Gln Leu Asp Glu Leu Leu Thr
 245 250 255
 Glu His Arg Met Thr Trp Asp Pro Ala Gln Pro Pro Arg Asp Leu Thr
 260 265 270
 Glu Ala Phe Leu Ala Glu Met Glu Lys Ala Lys Gly Asn Pro Glu Ser
 275 280 285
 Ser Phe Asn Asp Glu Asn Leu Arg Ile Val Val Ala Asp Leu Phe Ser
 290 295 300
 Ala Gly Met Val Thr Thr Ser Thr Thr Leu Ala Trp Gly Leu Leu Leu
 305 310 315 320
 Met Ile Leu His Pro Asp Val Gln Arg Arg Val Gln Gln Glu Ile Asp
 325 330 335
 Asp Val Ile Gly Gln Val Arg Arg Pro Glu Met Gly Asp Gln Ala His
 340 345 350
 Met Pro Tyr Thr Thr Ala Val Ile His Glu Val Gln Arg Phe Gly Asp
 355 360 365
 Ile Val Pro Leu Gly Met Thr His Met Thr Ser Arg Asp Ile Glu Val
 370 375 380
 Gln Gly Phe Arg Ile Pro Lys Gly Thr Thr Leu Ile Thr Asn Leu Ser
 385 390 395 400
 Ser Val Leu Lys Asp Glu Ala Val Trp Glu Lys Pro Phe Arg Phe His
 405 410 415
 Pro Glu His Phe Leu Asp Ala Gln Gly His Phe Val Lys Pro Glu Ala
 420 425 430
 Phe Leu Pro Phe Ser Ala Gly Arg Arg Ala Cys Leu Gly Glu Pro Leu
 435 440 445
 Ala Arg Met Glu Leu Phe Leu Phe Phe Thr Ser Leu Leu Gln His Phe
 450 455 460
 Ser Phe Ser Val Pro Thr Gly Gln Pro Arg Pro Ser His His Gly Val
 465 470 475 480
 Phe Ala Phe Leu Val Ser Pro Ser Pro Tyr Glu Leu Cys Ala Val Pro
 485 490 495

Arg